

1

2 **In the Claims**

3       Claims 20, 28, 48-50, 52-54 and 63-68 are cancelled and claims 1, 8-10, 19,  
4 27, 51, 55-56, 61 and 69 are amended.

5       Claims 66-68 were previously cancelled.

6       Claims 1-19, 21-27, 29-47, 51, 55-62 and 69-76 remain in the application  
7 and are listed below.

8

9       1. (Currently Amended) A method of processing media content  
10 comprising:

11       receiving a physical ID that corresponds to a specific media upon which  
12 content resides that can be experienced by a user;

13       mapping the physical ID to a logical ID; and

14       attempting to map the physical ID to a logical ID;

15       if no logical ID is found that corresponds to the physical ID, attempting to  
16 establish a logical ID for the physical ID by causing a Wizard user interface (UI)  
17 to be presented to a user via a client computer so that information pertaining to the  
18 user's specific media can be collected from the user; and

19       if a logical ID is found that corresponds to the physical ID, searching a  
20 database that contains metadata associated with the specific media by using the  
21 logical ID as a basis for a search query, wherein different instances of a specific  
22 media with the same content thereon are associated with different physical IDs  
23 that are mappable to the same logical ID.

1       2. (Original) The method of claim 1 further comprising returning the  
2 metadata to a client.

3  
4       3. (Original) The method of claim 1 further comprising formatting the  
5 metadata in a schema and returning the formatted metadata to a client.

6  
7       4. (Original) The method of claim 1 further comprising formatting the  
8 metadata in a XML schema and returning the formatted metadata to a client.

9  
10      5. (Original) The method of claim 1, wherein the specific media  
11 comprises a CD.

12  
13      6. (Original) The method of claim 1, wherein the specific media  
14 comprises a DVD.

15  
16      7. (Original) One or more computer-readable media having computer-  
17 readable instructions thereon which, when executed by a computer, cause the  
18 computer to implement the method of claim 1.

19  
20      8. (Currently Amended) A server comprising:  
21           one or more processors;  
22           one or more storage devices; and  
23           software code resident on the one or more storage devices which, when  
24           executed by the one or more processors, cause the processors to:

1 receive a physical ID that corresponds to a specific media upon which  
2 content resides that can be experienced by a user;

3 ~~map the physical ID to a logical ID;~~

4 attempt to map the physical ID to a logical ID;

5 if no logical ID is found that corresponds to the physical ID, attempt to  
6 establish a logical ID for the physical ID by causing a Wizard user interface (UI)  
7 to be presented to a user via a client computer so that information pertaining to the  
8 user's specific media can be collected from the user;

9 if a logical ID is found that corresponds to the physical ID, search a  
10 database that contains metadata associated with the specific media by using the  
11 logical ID as a basis for a search query;

12 format the metadata in a XML schema; and

13 return the formatted metadata to a client, wherein different instances of a  
14 specific media with the same content thereon are associated with different physical  
15 IDs that are mappable to the same logical ID.

16

17 9. (Currently Amended) One or more computer-readable media having  
18 computer-readable instructions thereon which, when executed by a computer,  
19 cause the computer to:

20 receive a physical ID that corresponds to a specific media upon which  
21 content resides that can be experienced by a user;

22 ~~map the physical ID to a logical ID;~~

23 attempt to map the physical ID to a logical ID;

24 if no logical ID is found that corresponds to the physical ID, attempt to  
25 establish a logical ID for the physical ID by causing a user interface (UI) to be

1     presented to a user via a client computer so that information pertaining to the  
2     user's specific media can be collected from the user;

3         if a logical ID is found that corresponds to the physical ID, search a  
4     database that contains metadata associated with the specific media by using the  
5     logical ID as a basis for a search query;

6             format the metadata in a XML schema; and

7         return the formatted metadata to a client, wherein different instances of a  
8     specific media with the same content thereon are associated with different physical  
9     IDs that are mappable to the same logical ID.

10

11         10. (Currently Amended) A method of processing media content  
12     comprising:

13         attempting to map associating a physical ID to with a logical ID, the  
14     physical ID corresponding to a specific media associated with content that can be  
15     experienced by a user;

16         if no logical ID is found that corresponds to the physical ID, attempting to  
17     establish a logical ID for the physical ID by causing a user interface (UI) to be  
18     presented to a user via a client computer so that information pertaining to the  
19     user's specific media can be collected from the user;

20         if a logical ID is found that corresponds to the physical ID, using the logical  
21     ID to query one or more databases that contain metadata associated with the  
22     specific media; and

23         returning metadata associated with the specific media to a client, wherein  
24     different instances of a specific media with the same content thereon are  
25     associated with different physical IDs that are mappable to the same logical ID.

1  
2       11. (Original) The method of claim 10, wherein said returning comprises  
3 returning the metadata via the Internet.

4  
5       12. (Original) The method of claim 10, wherein said returning comprises  
6 formatting the metadata in a schema and returning the formatted metadata to the  
7 client.

8  
9       13. (Original) The method of claim 10, wherein said returning comprises  
10 formatting the metadata in a XML schema and returning the formatted metadata to  
11 the client.

12  
13       14. (Original) The method of claim 10, wherein the specific media  
14 comprises a CD.

15  
16       15. (Original) The method of claim 10, wherein the specific media  
17 comprises a DVD.

18  
19       16. (Original) The method of claim 10, wherein the specific media  
20 comprises a file.

21  
22       17. (Original) One or more computer-readable media having computer-  
23 readable instructions thereon which, when executed by a computer, cause the  
24 computer to implement the method of claim 10.

1       18. (Original) A server computer programmed with instructions which,  
2 when executed by the server computer, cause it to implement the method of claim  
3 10.  
4

5       19. (Currently Amended) A method of processing media content  
6 comprising:

7             receiving a physical ID that corresponds to a specific media associated with  
8 content that can be experienced by a user;

9             attempting to map the physical ID to a logical ID;

10            if a logical ID is found that corresponds to the physical ID, searching a  
11 database that contains metadata associated with the specific media by using the  
12 logical ID as a basis for a search query;

13            if no logical ID is found that corresponds to the physical ID, attempting to  
14 establish a logical ID for the physical ID by causing a user interface (UI) to be  
15 presented to a user via a client computer so that information pertaining to the  
16 user's specific media can be collected from the user, wherein different instances of  
17 a specific media with the same content thereon are associated with different  
18 physical IDs that are mappable to the same logical ID.

19  
20       20. (Cancelled)

21  
22       21. (Original) The method of claim 19, wherein said attempting  
23 comprises attempting to identify the specific media to ascertain whether a logical  
24 ID already exists for the specific media.

1           22. (Original) The method of claim 19 further comprising if said  
2 attempting is unsuccessful, enabling the user to establish a physical ID-to-logical  
3 ID mapping for their physical ID.

4

5           23. (Original) The method of claim 19, wherein said specific media  
6 comprises a CD.

7

8           24. (Original) The method of claim 19, wherein said specific media  
9 comprises a DVD.

10

11          25. (Original) The method of claim 19, wherein said specific media  
12 comprises a file.

13

14          26. (Original) One or more computer-readable media having computer-  
15 readable instructions thereon which, when executed by a computer, cause the  
16 computer to implement the method of claim 19.

17

18          27. (Currently Amended) A server computer comprising:  
19              one or more processors;  
20              one or more storage devices; and  
21              software code resident on the one or more storage devices which, when  
22 executed by the one or more processors, cause the processors to:  
23                  receive a physical ID that corresponds to a specific media upon  
24 which content resides that can be experienced by a user;  
25                  attempt to map the physical ID to a logical ID;

1           if a logical ID is found that corresponds to the physical ID, search a  
2         database that contains metadata associated with the specific media by using  
3         the logical ID as a basis for a search query; and

4           if no logical ID is found that corresponds to the physical ID, attempt  
5         to establish a logical ID for the physical ID by causing a Wizard user  
6         interface (UI) to be presented to a user via a client computer so that  
7         information pertaining to the user's specific media can be collected from  
8         the user, wherein different instances of a specific media with the same  
9         content thereon are associated with different physical IDs that are mappable  
10        to the same logical ID.

11  
12        28. (Cancelled)

13  
14        29. (Previously Presented) A method of processing media content  
15        comprising:

16           receiving a physical ID that corresponds to a specific media upon which  
17        content resides that can be experienced by a user;

18           attempting to map the physical ID to a logical ID by searching a first table  
19        containing physical ID-to-logical ID mappings using a first search;

20           if the first search is unsuccessful, searching a second table containing  
21        physical ID-to-logical ID mappings using a second search; and

22           if a logical ID is found that corresponds to the physical ID, searching a  
23        database that contains metadata associated with the specific media by using the  
24        logical ID as a basis for a search query, wherein different instances of a specific

1 media with the same content thereon are associated with different physical IDs  
2 that are mappable to the same logical ID.

3  
4 30. (Original) The method of claim 29, wherein the first table is a trusted  
5 table.

6  
7 31. (Original) The method of claim 29, wherein the first table is a trusted  
8 table and the second table is less trusted than the first table.

9  
10 32. (Original) The method of claim 29, wherein the second table  
11 contains user-provided physical ID-to-logical ID mappings.

12  
13 33. (Original) The method of claim 29, wherein the first search  
14 comprises a low cost search, and further comprising if no logical ID is found for  
15 the physical ID, searching the first table using a third search, the third search  
16 comprising a higher cost search than the first search.

17  
18 34. (Original) One or more computer-readable media having computer-  
19 readable instructions thereon which, when executed by a computer, cause the  
20 computer to implement the method of claim 29.

21  
22 35. (Previously Presented) One or more computer-readable media  
23 having computer-readable instructions thereon which, when executed by a  
24 computer, cause the computer to:

1 receive a physical ID that corresponds to a specific media upon which  
2 content resides that can be experienced by a user;

3 attempt to map the physical ID to a logical ID by searching a first table  
4 containing physical ID-to-logical ID mappings using a first search, the first search  
5 comprising a low cost search;

6 if the first search is unsuccessful, search a second table containing physical  
7 ID-to-logical ID mappings using a second search;

8 if the second search is unsuccessful, search the first table using a third  
9 search, the third search comprising a higher cost search than the first search; and

10 if a logical ID is found that corresponds to the physical ID, search a  
11 database that contains metadata associated with the specific media by using the  
12 logical ID as a basis for a search query, wherein different instances of a specific  
13 media with the same content thereon are associated with different physical IDs  
14 that are mappable to the same logical ID.

15  
16 36. (Previously Presented) A method of processing media content  
17 comprising:

18 providing a canonical table containing physical ID to logical ID mappings,  
19 the physical IDs being associated with specific media containing content that can  
20 be experienced by a user, the logical IDs being configured for use in database  
21 queries to locate metadata associated with specific media;

22 providing a table containing user-provided physical ID to logical ID  
23 mappings;

24 receiving a physical ID associated with a specific media;

1                   conducting a first low cost search of the canonical table to determine  
2 whether there is a matching physical ID with a corresponding logical ID;

3                   if the first low cost search is unsuccessful, conducting a second low cost  
4 search of the table containing the user-provided physical ID to logical ID  
5 mappings to determine whether there is a matching physical ID with a  
6 corresponding logical ID;

7                   if the second low cost search is unsuccessful, conducting a third higher cost  
8 search of the canonical table to determine whether there is a matching physical ID  
9 with a corresponding logical ID; and

10                  if any of the searches are successful, using the corresponding logical ID to  
11 search a database containing metadata associated with the specific media, wherein  
12 different instances of a specific media with the same content thereon are  
13 associated with different physical IDs that are mappable to the same logical ID.

14

15                  37. (Original) The method of claim 36, wherein the specific media  
16 comprises CDs.

17

18                  38. (Original) The method of claim 36, wherein the specific media  
19 comprises DVDs.

20

21                  39. (Previously Presented) A method of processing media content  
22 comprising:

23                   receiving a physical ID that corresponds to a specific media upon which  
24 content resides that can be experienced by a user;

1       attempting to map the physical ID to a logical ID, the logical ID serving as  
2 a basis for a search query of a database that contains metadata associated with the  
3 specific media;

4       if no logical ID is found that corresponds to the physical ID, attempting to  
5 establish a logical ID for the physical ID by causing a Wizard user interface (UI)  
6 to be presented to a user via a client computer so that information pertaining to the  
7 user's specific media can be collected from the user, wherein different instances of  
8 a specific media with the same content thereon are associated with different  
9 physical IDs that are mappable to the same logical ID.

10  
11      40. (Original) The method of claim 39 further comprising receiving  
12 information from the user, via the Wizard UI, the information pertaining to the  
13 user's specific media.

14  
15      41. (Original) The method of claim 39, wherein the specific media  
16 comprises a CD, and the information collected by the Wizard UI comprises an  
17 artist's name.

18  
19      42. (Original) The method of claim 39, wherein the specific media  
20 comprises a CD, and the information collected by the Wizard UI comprises a CD  
21 title.

22  
23      43. (Original) The method of claim 39, wherein the specific media  
24 comprises a DVD.

1       44. (Original) The method of claim 39 further comprising searching for  
2 specific media based on the information collected by the Wizard UI.

3

4       45. (Original) The method of claim 44 further comprising forming an  
5 association between the received physical ID and a logical ID if said searching  
6 finds media that coincides with the user's information.

7

8       46. (Original) The method of claim 44 further comprising if said  
9 searching is unsuccessful, prompting the user to enter media-specific information  
10 so that an association can be established between the media and a logical ID.

11

12      47. (Previously Presented) One or more computer-readable media  
13 having computer-readable instructions thereon which, when executed by a  
14 computer, cause the computer to:

15       receive a physical ID that corresponds to a specific media upon which  
16 content resides that can be experienced by a user;

17       attempt to map the physical ID to a logical ID, the logical ID serving as a  
18 basis for a search query of a database that contains metadata associated with the  
19 specific media;

20       if no logical ID is found that corresponds to the physical ID, attempt to  
21 establish a logical ID for the physical ID by causing a Wizard user interface (UI)  
22 to be presented to a user via a client computer so that information pertaining to the  
23 user's specific media can be collected from the user, wherein different instances of  
24 a specific media with the same content thereon are associated with different  
25 physical IDs that are mappable to the same logical ID.

1

2 48-50. (Cancelled)

3

4 51. (Currently Amended) A system for providing metadata to clients  
5 comprising:

6 a trusted canonical table comprising multiple physical IDs associated with  
7 specific media containing content that can be experienced by a user;

8 multiple logical IDs associated with the multiple physical IDs;

9 individual physical IDs being mapped to individual logical IDs; and

10 at least one other less trusted table containing multiple physical IDs and  
11 multiple logical IDs, individual physical IDs being mapped to individual logical  
12 IDs; and

13 the logical IDs being configured for use in database queries to locate  
14 metadata associated with specific media, wherein different instances of a specific  
15 media with the same content thereon are associated with different physical IDs  
16 that are mappable to the same logical ID.

17

18 52-54. (Cancelled)

19

20 55. (Currently Amended) The system of claim 51[[52]], wherein the at  
21 least one other less trusted table comprises user-provided mappings.

22

23 56. (Currently Amended) A method of processing media content  
24 comprising:

25

1 receiving a physical ID that corresponds to a specific CD upon which  
2 content resides that can be experienced by a user;

3 attempting to map the physical ID to a logical ID;  
4 if no logical ID is found that corresponds to the physical ID, attempting to  
5 establish a logical ID for the physical ID by causing a user interface (UI) to be  
6 presented to a user via a client computer so that information pertaining to the  
7 user's specific media can be collected from the user;

8 if a logical ID is found that corresponds to the physical ID, searching a  
9 database that contains metadata associated with the CD by using the logical ID as  
10 a basis for a search query;

11 formatting the metadata in a XML schema; and  
12 returning the formatted metadata to a client, wherein different instances of a  
13 specific CD with the same content thereon are associated with different physical  
14 IDs that are mappable to the same logical ID.

15  
16 57. (Original) The method of claim 56, wherein the XML schema  
17 comprises tags associated with one or more of: a CD name, author, release date,  
18 genre, style, rating and label.

19  
20 58. (Original) The method of claim 56, wherein the XML schema  
21 comprises at least one tag associated with a URL associated with data pertaining  
22 to the CD.

1       59. (Original) The method of claim 56, wherein the XML schema  
2 comprises at least one tag associated with a URL associated with data pertaining  
3 to cover art for the CD.

4

5       60. (Original) The method of claim 56, wherein the XML schema  
6 comprises at least one tag associated with a URL associated with data pertaining  
7 to a purchasing experience.

8

9       61. (Currently Amended) A method of processing media content  
10 comprising:

11       receiving a physical ID that corresponds to a specific DVD upon which  
12 content resides that can be experienced by a user;

13       attempting to map the physical ID to a logical ID;

14       if no logical ID is found that corresponds to the physical ID, attempting to  
15 establish a logical ID for the physical ID by causing a user interface (UI) to be  
16 presented to a user via a client computer so that information pertaining to the  
17 user's specific media can be collected from the user;

18       if a logical ID is found that corresponds to the physical ID, searching a  
19 database that contains metadata associated with the DVD by using the logical ID  
20 as a basis for a search query;

21       formatting the metadata in a XML schema; and

22       returning the formatted metadata to a client, wherein different instances of a  
23 specific DVD with the same content thereon are associated with different physical  
24 IDs that are mappable to the same logical ID.

1       62. (Original) The method of claim 61, wherein the XML schema  
2 comprises tags associated with one or more of: a title, studio, lead performer,  
3 director, rating, and genre.

4

5       63-68. (Cancelled)

6

7       69. (Currently Amended)) A method of processing media content  
8 comprising:

9           generating a physical ID that corresponds to a specific media upon which  
10 content resides that can be experienced by a user on a client computer, wherein  
11 different instances of the specific media with the same content thereon are  
12 associated with different physical IDs that are mappable to a same logical ID;

13           sending the physical ID to a server configured to return metadata associated  
14 with the specific media;

15           attempting to map the physical ID to a logical ID;

16           if no logical ID is found that corresponds to the physical ID, attempt to  
17 establish a logical ID for the physical ID by causing a user interface (UI) to be  
18 presented to a user via a client computer so that information pertaining to the  
19 user's specific media can be collected from the user;

20           if a logical ID is found that corresponds to the physical ID, searching a  
21 database that contains metadata associated with the specific media by using the  
22 logical ID as a basis for a search query;

23           receiving, from the server, XML-formatted metadata;

24           parsing, with the client computer, the XML-formatted metadata; and

25           displaying the metadata for the user on the client computer.

1  
2       70. (Original) The method of claim 69, wherein the specific media  
3 comprises a CD.

4  
5       71. (Original) The method of claim 69, wherein the specific media  
6 comprises a DVD.

7  
8       72. (Original) A method of providing metadata to a client comprising:  
9             establishing a table that contains user-provided entries that map physical  
10  IDs to logical IDs, the physical IDs corresponding to specific media upon which  
11  content resides that can be experienced by various users, the logical IDs being  
12  configured for use in querying one or more databases that contain metadata  
13  associated with the specific media, the metadata being returnable to a client;

14             statistically evaluating the entries to determine, for each physical ID, a most  
15  likely logical ID match; and

16             making the most likely logical ID match available so that it can be used to  
17  query the one or more databases.

18  
19       73. (Original) The method of claim 72, wherein said making comprises  
20  providing the logical ID into a trusted table of physical ID-to-logical ID mappings.

21  
22       74. (Original) A method of providing metadata to a client comprising:  
23  providing a table containing user-provided entries that map physical IDs to  
24  logical IDs, the physical IDs corresponding to specific media upon which content  
25  resides that can be experienced by various users, the logical IDs being configured

1 for use in querying one or more databases that contain metadata associated with  
2 the specific media, the metadata being returnable to a client;

3 computing, from the table, a list of physical IDs that are to be statistically  
4 evaluated;

5 for each listed physical ID, ascertaining the logical IDs that have been  
6 associated with it by users;

7 computing a distribution of logical IDs for a given physical ID, the  
8 distribution describing, for each logical ID, the number of times the physical ID  
9 has been mapped thereto;

10 adding to the distribution, an entry that corresponds to a current trusted  
11 logical ID mapping;

12 weighting the added entry; and

13 computing, from the distribution, a most likely physical ID to logical ID  
14 match.

15  
16 75. (Original) The method of claim 74 further comprising updating a  
17 canonical table of trusted mappings with the most likely physical ID to logical ID  
18 match.

19  
20 76. (Original) The method of claim 74, wherein said computing a most  
21 likely physical ID to logical ID match comprises:

22 computing a distribution count that sums the total number of times a  
23 physical ID has been mapped to a logical ID;

24 calculating, for each logical ID, a percentage as a function of the summed  
25 distribution count; and

1           selecting a logical ID that has a percentage that meets predefined criteria.  
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